

WHAT IS CLAIMED IS:

1. A vibration-absorbing tube comprising:  
a bellows composed of a thin metal and having troughs and ridges;  
a fiber braid reinforcement covering the bellows and having a braided angle of 30° to 50°; and  
a buffer material covering the outer face of the bellows from the bottom of the troughs to a height that is 0.5 to 2.0 times the height of ridges.
2. The vibration-absorbing tube according to claim 1, wherein gaps in the fiber braid reinforcement are impregnated with a curable resin or rubber composition.
3. The vibration-absorbing tube according to claim 2, wherein the resin composition comprises at least one resin selected from the group consisting of urea resins, melamine resins, phenol resins, epoxy resins, vinyl acetate resins, cyanoacrylate resins, polyurethane resins, maleic acid resins, isocyanate resins, and acrylic resins, or wherein the rubber composition comprises at least one rubber selected from the group consisting of chlorinated rubbers, acrylic rubbers, hydrogenated nitrile rubbers, epichlorohydrin rubbers, butyl rubbers, chlorosulfonated polyethylene

rubbers, and chlorinated polyethylene rubbers.

4. The vibration-absorbing tube according to claim 1 further comprising at least one additional fiber braid reinforcement at the outside of the fiber braid reinforcement.

5. The vibration-absorbing tube according to any one of claims 1 to 4, wherein the fibers constituting the fiber braid reinforcement and the additional fiber braid reinforcement are selected from the group consisting of acrylic fibers, novoloid fibers, carbon fibers, polyester fibers, vinylon fibers, silk, nylon fibers, polyamide fibers, polyparaphenylene benzobisoxazole fibers, and aramid fibers.

6. The vibration-absorbing tube according to any one of claims 1 to 5, wherein the cross section of the bellows has a sequence of  $\Omega$ -shapes or U-shapes.

7. The vibration-absorbing tube according to any one of claims 1 to 6, wherein the buffer material is a rubber composition comprising at least one rubber selected from the group consisting of polyisobutylene, acrylic rubbers, hydrogenated nitrile rubbers, epichlorohydrin rubbers, butyl rubbers, chlorosulfonated polyethylene rubbers, and

chlorinated polyethylene rubbers.

8. The vibration-absorbing tube according to any one of claims 1 to 7, wherein the vibration-absorbing tube is partially disposed in piping for a carbon dioxide refrigerant system, hydrogen gas, liquefied petroleum gas, chlorofluorocarbon refrigerant, or liquefied natural gas.